

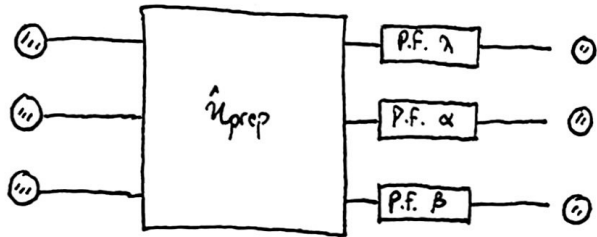
#1. Calculate \hat{U}_{prep} for 3 particles

#2. Calculate $\hat{\rho}_{\text{prep}}$ for 3 particles

#3. $\hat{U}_{\text{prep}} \hat{\rho}_{\text{prep}} \hat{U}_{\text{prep}}^\dagger$ for 3 particles

#4. Calculate Phase Flips for λ, α, β : $\hat{\rho}_f = (1-\lambda) \hat{\rho}_i + \lambda \hat{\sigma}_z \hat{\rho}_i \hat{\sigma}_z$

#5. Get QFI for



#6. Determine gain for #5.

#7. Plot gain

